



**PCT**

- (51) International Patent Classification<sup>7</sup>: A61B 6/00, (72) Inventors; and  
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(21) International Application Number: PCT/IB2004/052111

(22) International Filing Date: 15 October 2004 (15.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 03104003.3 29 October 2003 (29.10.2003) EP

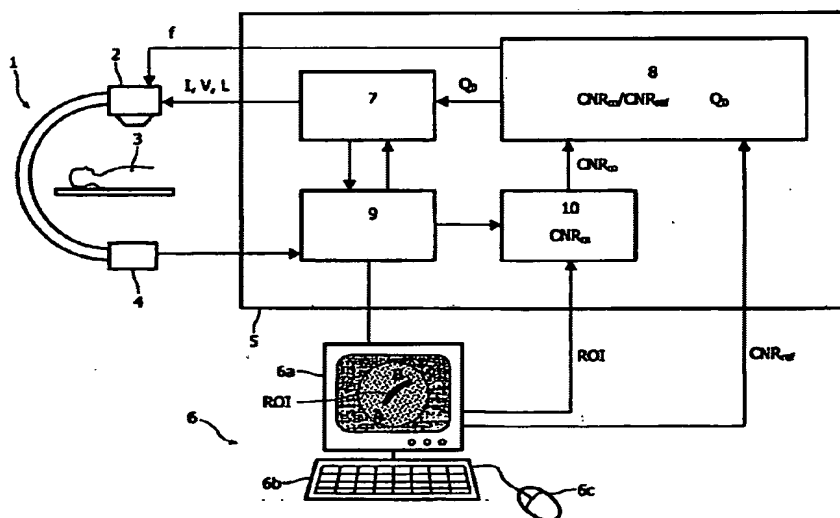
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(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

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- (54) Title: DEVICE AND METHOD FOR ADJUSTING IMAGING PARAMETERS OF AN X-RAY APPARATUS**



- (S7) **Abstract:** The invention relates to a device for adjusting imaging parameters of an X-ray apparatus (1), whereby a user pre-defines on a preliminary image an image region of interest (ROI) and a value of the contrast-to-noise ratio ( $CNR_{req}$ ) desired for this image region. Based on the current contrast-to-noise ratio ( $CNR_{cur}$ ), new imaging parameters ( $I, V, V_1, f, Q_0$ ) are then calculated for a generator-control module (7) to control the X-ray apparatus (1) during an image. By means of the method, the X-ray dose may be reduced to a minimum, while at the same time the desired visibility of a region of interest is ensured.